

IN THE ABSTRACT

**Please replace the Abstract with the following revised, replacement Abstract:**

A method and apparatus are disclosed for transforming information from one semantic environment to another. In one implementation, a SOLx system (1700) includes a Normalization/Translation NorTran Workbench (1702) and a SOLx server (1708). The NorTran Workbench (1702) is used to develop a knowledge base based on information from a source system (1712), to normalize legacy content (1710) according to various rules, and to develop a database (1706) of translated content. During run time, the SOLx server (1708) receives transmissions from the source system (1712), normalizes the transmitted content, accesses the database (1706) of translated content and otherwise translates the normalized content, and reconstructs the transmission to provide substantially real-time transformation of electronic messages.